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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/550,960	09/28/2005	Masahiko Fuyumuro	125484	4256
25944 OLIFF & BERI	7590 12/12/200 RIDGE, PLC	EXAMINER		
P.O. BOX 3208	350	LONEY, DONALD J		
ALEXANDRIA, VA 22320-4850			ART UNIT	PAPER NUMBER
			1794	
			MAIL DATE	DELIVERY MODE
			12/12/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)				
Office Antique Occurrence	10/550,960	FUYUMURO ET AL.				
Office Action Summary	Examiner	Art Unit				
	Donald Loney	1794				
The MAILING DATE of this communication ap Period for Reply	pears on the cover sheet with the o	correspondence address				
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period. - Failure to reply within the set or extended period for reply will, by statut Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be till will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
	—· s action is non-final.					
·=	· 					
,	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.					
Disposition of Claims						
4)⊠ Claim(s) <u>1-8</u> is/are pending in the application.	4) Claim(s) 1-8 is/are pending in the application.					
4a) Of the above claim(s) is/are withdrawn from consideration.						
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1-8</u> is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9)☐ The specification is objected to by the Examiner.						
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). 						
* See the attached detailed Office action for a list	_					
1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) Paper No(s)/Mail Date						
Notice of Brantaperson's Fateline Brawning (New Williams) Statement(s) (PTO/SB/08) Statement(s)						

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. The factual inquiries set forth in *Graham* v. *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.
 - 4. Considering objective evidence present in the application indicating obviousness or nonobviousness.
- 4. The factual inquiries set forth in *Graham* **v.** *John Deere Co.*, 383 U.S. 1, 148 USPQ 459 (1966), that are applied for establishing a background for determining obviousness under 35 U.S.C. 103(a) are summarized as follows:
 - 1. Determining the scope and contents of the prior art.
 - 2. Ascertaining the differences between the prior art and the claims at issue.
 - 3. Resolving the level of ordinary skill in the pertinent art.

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4. Considering objective evidence present in the application indicating obviousness or nonobviousness.

5. Claims 1-3 and 7 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Raley (3911187).

Raley discloses a plastic sheet containing a plurality of alternating projections 18 and recesses 14 intersecting in a lattice strip pattern. See figure 2. The thickness of the sheet is 0.5-10 mils, which is in the applicant's range of 80-130 um (approximately 3-5 mils). Raley does fail to specifically mention the bending resistance is 30-80 mm. However, since the film can be made of polyethylene (column 1, last line) and the structure and thickness is within the recited range the examiner deems the bending resistance to be inherent in the prior art. In the absence of inherency, it would have been obvious to one having ordinary skill in the art at the time the invention was made to Raley to form the film of what ever bending strength is required for a particular application. With regards to claims 2, the examiner deems this inherent or obvious for the same reason as bending resistance in claim 1. With regards to claim 3, see column 2, lines 51-62. With regards to claims 7 and 8, the projections and/or recesses are flat as seen in figure 2.

6. Claims 4-6 and 8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Raley.

The primary reference teaches the invention substantially as recited except for the density of the projections and/or recesses of claim 4, resistivity of claims 5 and 6 and percent surface area of the flat portions per claim 8. See the 35 U.S.C. 102/103 rejection above.

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However, it would have been obvious to one having ordinary skill in the art at the time the invention was made to Raley to form the recessed and projections of the recited density since this would merely be a function of the size and or shape thereof. With regards to claims 5 and 6, Raley discloses conventional fillers (e.g. antistatic ones) can be included in the film which would impart desired properties thereto. With regards to claim 8, the percent surface area of the flat portions would be obvious since this would merely be a function of the size and or shape thereof.

7. Claims 1-8 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Brooks et al (6286684).

Brooks et al is an English language equivalent of JP 2003-505875. Brooks et al discloses a plastic sheet 51 containing a plurality of alternating projections and recesses intersecting in a lattice strip pattern. See figures 9 and 12. The thickness of the sheet is 3, 5 or 10, which is in the applicant's range of 80-130 um (approximately 3-5 mils). Brook et al does fail to specifically mention the bending resistance is 30-80 mm. However, since the film can be made of polyethylene (column 6, lines 7-9) and the structure and thickness is within the recited range the examiner deems the bending resistance to be inherent in the prior art. In the absence of inherency, it would have been obvious to one having ordinary skill in the art at the time the invention was made to Brooks et al to form the film of what ever bending strength is required for a particular application. With regards to claims 2, the examiner deems this inherent or obvious for the same reason as bending resistance in claim 1. With regards to claims 3, 7 and 8, see figure 12 and/or 20. With regards to claims 5 and 6, see column 6, lines 9-13.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Donald Loney whose telephone number is (571) 272-1493. The examiner can normally be reached on Mon, Tues, Thurs and Fri. 8AM-4PM, flex schedule.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rena Dye can be reached on 571 272-3186. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Donald J. Loney/ Primary Examiner Art Unit 1794

DJL;D.Loney 12/08/08